

**Common Sense Initiative, Automobile Manufacturing Sector**

***U.S. Automobile Assembly Plants and Their Communities:  
Environmental Economic, and Demographic Profile***

**Part III: Automobile/Light Duty Truck Assembly  
Plant-Community Profiles**

**38. General Motors  
Wentzville, MO**

**December 1997**

## **Contents and Guidelines for Use**

**Users of this profile should carefully review the description of methods, data limitations, and guidelines for use and interpretation of the data presented in Part I of the report.**

### **Contents:**

Plant Locations (National and Michigan maps)  
Plant Location, Database Identification Numbers, 1994 Production and Employment  
1991 and 1993 RCRA Biennial Report Summary  
1991-1994 TRI Releases and Transfers Summary  
1994 TRI Releases and Transfers by Chemical  
1991-1994 Volatile Organic Compound and Nitrogen Oxide Emissions  
1994 Summary of TRI Chemical Releases and Transfers from Sources within 3 Miles of Assembly Plant  
Air Quality Attainment Status for Criteria Pollutants (as of 1994)  
Community Demographic and Economic Characteristics  
Facility Location (map)  
Area Wide 1994 TRI Emission Profile (map)  
1994 TRI Releases and Transfers from Sources within 3 Miles of Assembly Plant, by Chemical  
Demographic Characteristics (maps)

### **General Guidelines for Use**

Efforts have been made to ensure that the data presented here are accurate. The Project Team could not independently verify data accuracy in all cases, however, and some errors may remain. The following is a partial list of factors that should be considered in using these profiles:

1. Current releases presented in this report represent only some of the contamination sources in a given area. Data on historical releases (prior to 1991) were not included, and releases from non-assembly plant emission sources were identified only through the Toxics Release Inventory (TRI). TRI data do not cover all sources of releases. Considering only TRI data for a given community may mis-state the relative contribution of plants and their neighboring TRI facilities to an area's total releases.
2. Care must be taken to distinguish true changes over time in environmental releases from apparent changes, due, for example, to changes in the scope of reporting requirements.
3. TRI data are often based on engineering estimates and are reported on an annual basis. Data on releases over shorter time frames are not available.
4. TRI, the Biennial Report and other databases do not include all substances and environmental releases of concern.

### **Notes on Comparisons Across Facilities**

1. The following factors can affect an assembly plant's environmental profile, among other things: the number of vehicles produced, plant age, process equipment age, and vehicle size and configuration.
2. Some plants are highly-integrated, performing some parts and all assembly steps in-house. Others obtain parts from other manufacturing facilities, or share assembly operations with another plant.
3. States differ in how they define hazardous waste and how they treat recycled wastes and small quantity generators. Therefore, data on quantities of BRS wastes generated may not be comparable for plants located in different states.
4. Area-wide averages for economic and demographic characteristics may be better or worse measures of the plant's immediate community, depending on the specific location of a plant within the reporting area.

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## PLANT ENVIRONMENTAL PROFILE

Waste Code(s)	Wastewater?	Physical Form	Source	Mgd. On/Off-Site	Management Method	Quantity Generated (tons)	Quantity Shipped (tons)	Quantity Mgd. On-Site (tons)
<b>1991</b>								
D001 (ignitable)	N	B210 org. liquids	A49 other processes	Off	M043 incineration	10.0	10.0	0.0
D001 (ignitable)	N	B310 inorg. solids	A21 painting	Off	M043 incineration	12.0	12.0	0.0
D001 (ignitable)	N	B407 org. solids	Not rep't	Off	M043 incineration	18.0	18.0	0.0
D001 (ignitable)	N	B601 org. sludges	Not rep't	Off	M043 incineration	70.0	70.0	0.0
D001, D007, D018, F003, F005	N	B208 org. liquids	A19 other clean/degr.	Off	M022 solvents recov.	7.0	7.0	0.0
D008 (lead)	N	B310 inorg. solids	A21 painting	Off	M132 landfill	27.0	27.0	0.0
F003 (nonhalog. solvents) D001(ignit.)	N	B203 org. liquids	A21 painting	Off	M021 solvents recov.	72.0	72.0	0.0
F003 (nonhalog. solvents) D001(ignit.)	N	B219 org. liquids	A09 clean out equip	Off	M061 fuel blending	244.0	244.0	0.0
<b>TOTAL - 1991</b>						<b>460.0</b>	<b>460.0</b>	<b>0.0</b>
<b>1993</b>								
D001 (ignitable)	N	B205 org. liquid	A75 wastewater trt	On	M051 energy recov.	7.0	0.0	7.0
D001 (ignitable)	N	B209 org. liquid	A21 painting	Off	M043 incineration	66.0	66.0	0.0
D001 (ignitable)	N	B210 org. liquid	A49 other processes	Off	M043 incineration	18.0	18.0	0.0
D001(ignitable) F003 (solvents)	N	B211org. liquid	A21 painting	Off	M021 solvents recov.	39.0	39.0	0.0
D001(ignitable) F003 (solvents)	N	B211org. liquid	A21 painting	Off	M051 energy recov.	9.0	9.0	0.0
D001(ignitable) F003 (solvents)	N	B211org. liquid	A49 other processes	Off	M051 energy recov.	89.0	89.0	0.0
D001(ignitable) F003 (solvents)	N	B310 inorg. solids	A21 painting	Off	M043 incineration	10.0	10.0	0.0
D001(ignitable) F003 (solvents)	N	B409 org. solids	A49 other processes	Off	M043 incineration	19.0	19.0	0.0
D001(ignitable) F003 (solvents)	N	B602 org. sludges	A49 other processes	Off	M043 incineration	70.0	70.0	0.0
D003 (reactive)	N	B309 inorg. solids	A55 1x/intermittent	Off	M043 incineration	0.2	0.2	0.0
D006 (cadmium)	N	B309 inorg. solids	A55 1x/intermittent	Off	M012 metals recov.	0.5	0.5	0.0
D008 (lead)	N	B310 inorg. solids	A21 painting	Off	M132 landfill	21.0	21.0	0.0
F003 (non-halog solvents)	Y	B101 inorg liquid	A64 remediation	Off	M043 incineration	0.3	0.3	0.0
F003, F005, D001, D007, D018	N	B211org. liquid	A05 dip rinsing	Off	M021 solvents recov.	27.0	27.0	0.0
<b>TOTAL - 1993</b>						<b>375.9</b>	<b>368.9</b>	<b>7.0</b>

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Plant-Community Profile:  
General Motors  
Wentzville MO

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PLANT ENVIRONMENTAL PROFILE (continued)

1994 TRI Emissions/Releases by Chemical (lbs.)

<i>Chemical Name</i>	<i>Air-Fugitive Emissions</i>	<i>Air-Stack Emissions</i>	<i>Total Releases</i>	<i>Discharge to POTW</i>	<i>Off-Site Energy Recovery</i>	<i>Off-Site Recycling</i>	<i>Off-Site Treatment</i>	<i>Off-Site Disposal</i>	<i>Total Transfers</i>
METHYL ETHYL KETONE	1,000	5	1,005	5	9,200	0	5	5	9,215
ETHYLENE GLYCOL	5	0	5	250	250	0	5	5	510
METHYL ISOBUTYL KETONE	1,300	250	1,550	5	12,000	0	5	5	12,015
TOLUENE	250	250	500	5	2,500	0	5	5	2,515
XYLENE (MIXED ISOMERS)	3,300	180	3,480	5	30,000	0	250	250	30,505
HYDROCHLORIC ACID	0	65,000	65,000	0	0	0	0	0	0
CHLORINE	0	0	0	3,100	0	0	0	0	3,100
<b>TOTAL</b>	<b>5,855</b>	<b>65,685</b>	<b>71,540</b>	<b>3,370</b>	<b>53,950</b>	<b>0</b>	<b>270</b>	<b>270</b>	<b>57,860</b>

VOC/NOx Emissions:  
(lbs/year)

	<i>VOCs</i>	<i>NOx</i>
1990	4,290,000	658,000
1991	NA	NA
1992	2,862,000	584,000
1993	2,188,000	528,000
1994	12,000	294,000

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12/2/97

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COMMUNITY ENVIRONMENTAL PROFILE

TRI Chemical Releases & Transfers from Sources Within 3 Miles of Auto/LDT Plant (lbs.)

<i>Facility (w. map #)</i>	<i>Air-Fugitive Emissions</i>	<i>Air-Stack Emissions</i>	<i>Total Releases</i>	<i>Discharge to POTW</i>	<i>Off-Site Transfers</i>	<i>Total Transfers</i>
1 BASF CORP.	0	0	0	0	0	0
<i>Total</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>

Air Quality Attainment Status  
(as of 1994)\*

ozone - nonattainment (moderate)  
carbon monoxide - attainment or unclassifiable  
particulates - unclassifiable  
lead - unclassifiable  
NO2 - cannot be classified or better than national standards  
SO2 - attainment

\* no changes in designations occurred between 1994 and 1996

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**Plant-Community Profile:  
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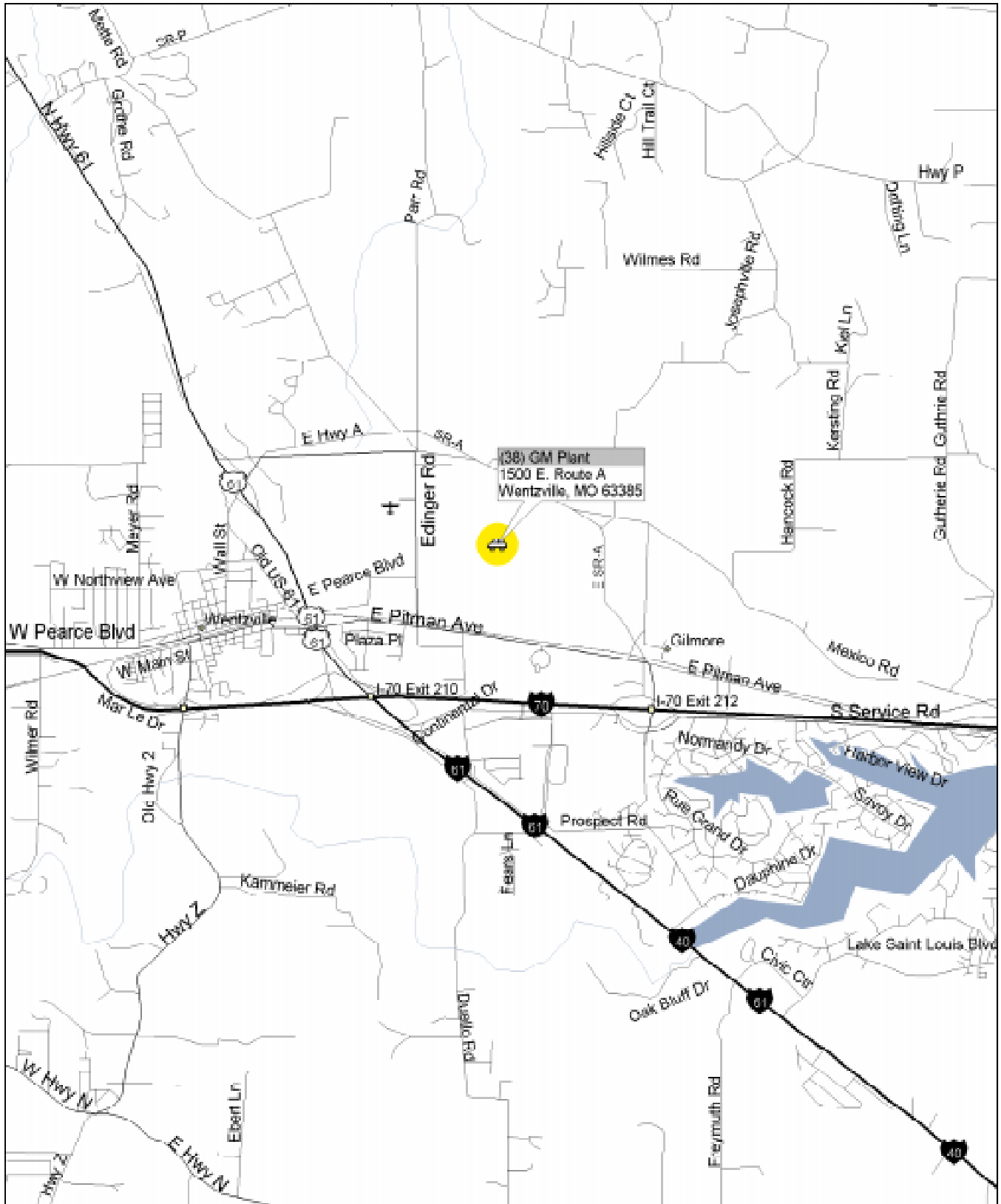
**COMMUNITY DEMOGRAPHIC AND ECONOMIC CHARACTERISTICS**

	<i><b>Census Block</b></i>	<i><b>0-1 Mile</b></i>	<i><b>0-3 Miles</b></i>	<i><b>1-3 Miles</b></i>	<i><b>3-5 Miles</b></i>	<i><b>County</b></i>	<i><b>State</b></i>	<i><b>U.S.</b></i>
Total Population (1994)	NA	NA	NA	NA	NA	239,288	5,277,657	260,340,990
Total Population (1990)	1,236	1,139	9,823	8,684	11,376	212,907	5,117,073	248,709,873
% Change 1990-1994	NA	NA	NA	NA	NA	12	3	5
Total Area (sq. mi.) (1990)	2.5	3.1	28.2	25.1	50.2	561.4	68,898.1	3,536,278.1
Population/sq. mi. (land area) (1990)	503	364	355	354	228	379	74	70
Median Household Income (1994)						NA	30,190	32,264
Median Household Income (1989)						40,307	26,362	30,056
% Change 1979-1989 (constant \$)						7	1	7
% Change 1989-1994 (constant \$)						NA	15	7
Per Capita Personal Income (1993)						20,057	19,557	20,800
Per Capita Personal Income (1989)						17,877	16,552	17,690
% Change 1989-1993 (current \$)						12	18	18
Minority Percentage (1990)	19	13	6	5	4	3	12	20
Pct. of Households Below Poverty Level (1989)	27	22	12	10	8	4	17	20
Pct. Not Completing High School (1990)	29	26	19	18	20	17	25	25
Total Employment (1994) (civilian nonfarm)						127,252	2,695,000	131,056,000
Unemployment Rate (1994)						4	5	6
Manufacturing Employment (1993)						13,490	411,157	18,183,381
Mfgr. as % Total Employment (1993)						21	20	19
Manufacturing Employment (1992)						NA	70,000	18,253,000
Production Workers (1992)						NA	38,000	11,654,000
% Change in Mfgr. Employment 1987-1992						NA	26	-4
Assembly Plant as % Total Mfgr. Workers						29		

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Data sources used were not always complete or current.  
Attempts have been made to verify data, but errors may still exist.

## Wentzville, MO, GM Plant



Microsoft Expedia

# Streets98

GENERAL MOTORS CORP  
1500 E RTE A  
WENTZVILLE MO  
Tri Number: 63385BCGRP1500E

Map #	SIC	Name	Address	City	State
0	3711	N.A. TRUCK PLATFORM WENTZVILLE ASSEMBLY	1500 E. RTE. A	WENTZVILLE	MO
1	2851	BASF CORP.	1495 E. PEARCE BLVD.	WENTZVILLE	MO



# AREA WIDE 1994 TRI EMISSION PROFILE

GENERAL MOTORS CORP  
ST CHARLES COUNTY, Missouri

Latitude: 38 49 00  
Longitude: 090 49 00

Map Key:  
Auto  
Plant  
Truck



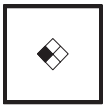
Air  
Release



Land  
Release

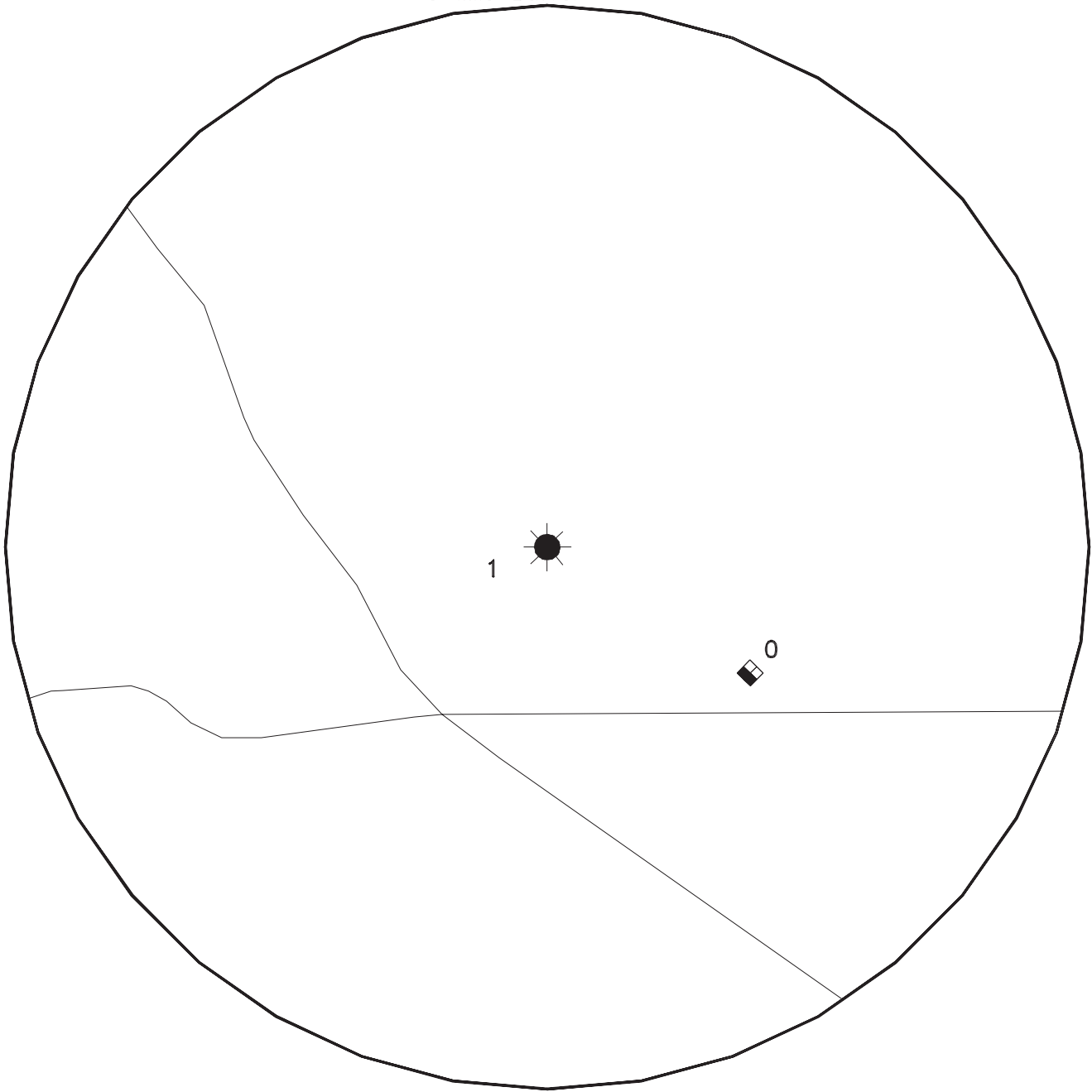


Water  
Release



Transfer  
location  
to offsite

3 Mile Buffer



Number without a Symbol denotes no reported emissions over 0.5 pounds per year

GENERAL MOTORS CORP

TRI N0: 63385BCGRP1500E

**Air Fugitive  
(Non-Point  
Source)  
Emissions**

Air Stack  
(Point  
Source)  
Emissions

Discharge  
to  
Surface  
Water

## On-Site Land Disposal

**TOTAL  
RELEASES**

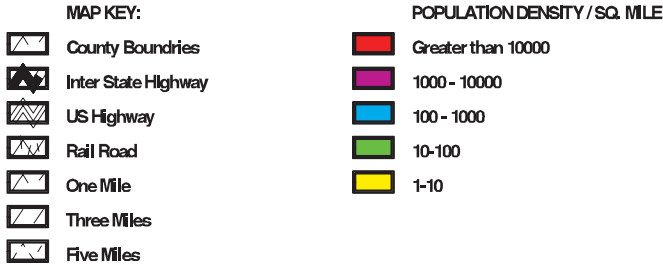
Discharge  
to POTW

## Transfer

TOTAL  
TRANSFERS

# General Motors Wentzville St. Charles County, Missouri

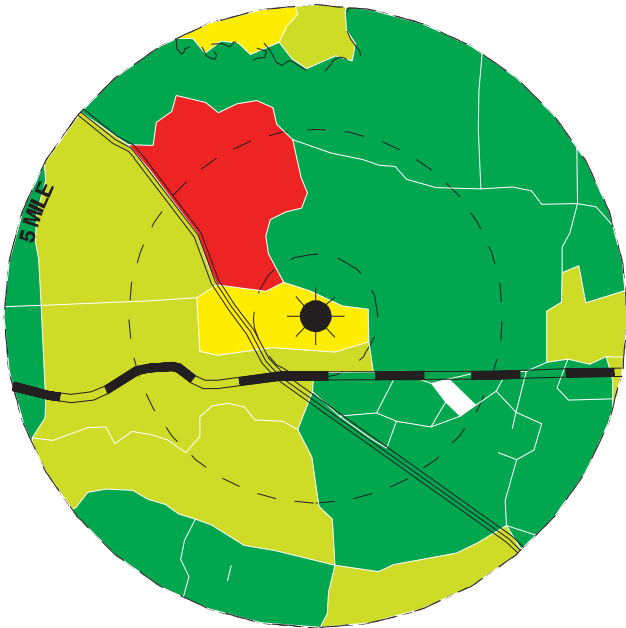
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Longitude: 90 49 26 W



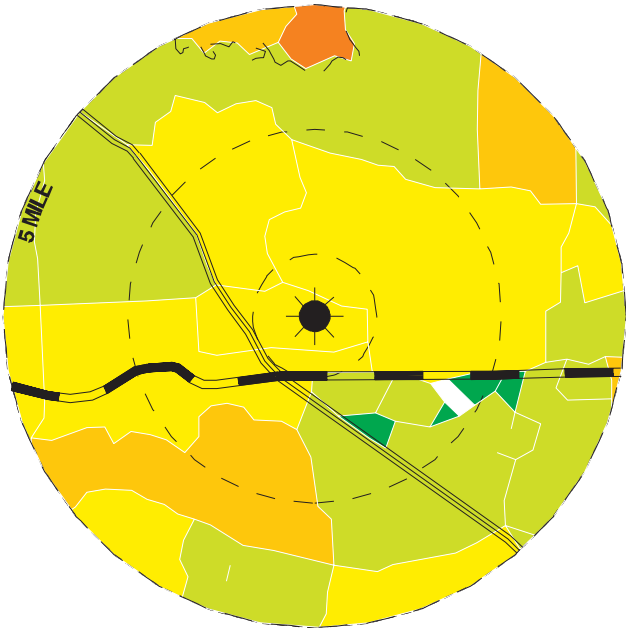
Minority, poverty, and High School  
Incomplete percentages



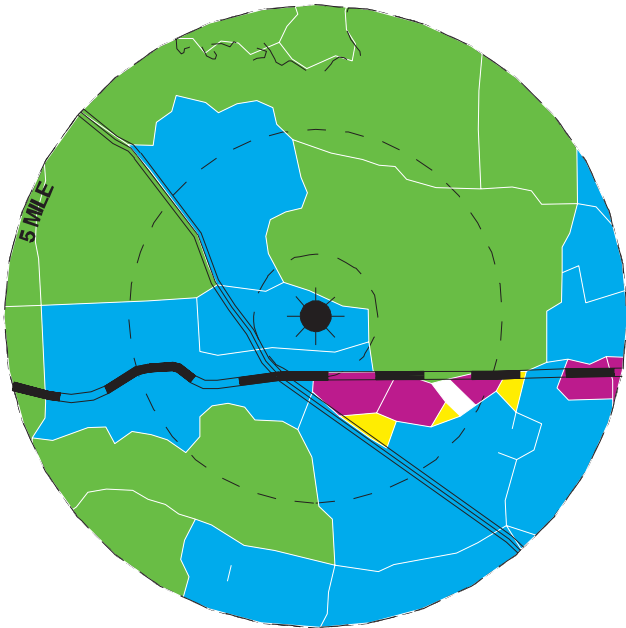
Percentage of Total Population  
Below Poverty Level



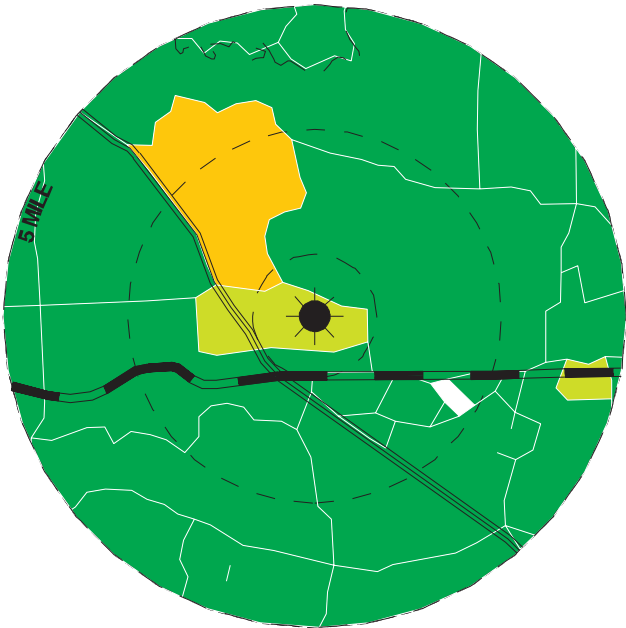
Percentage of Population not  
Completing High School



Population Density  
People Per Sq. Mile

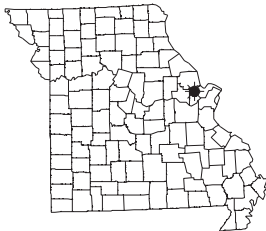
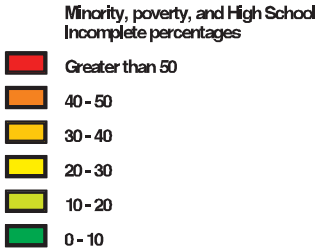


Minority Population  
Percent of Total Population

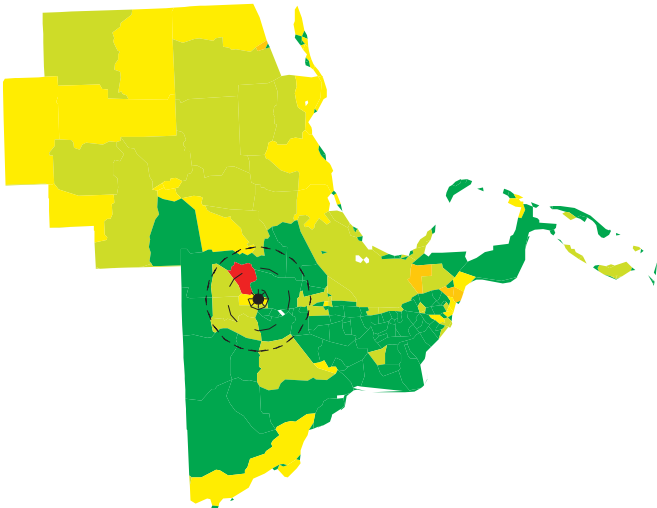


# General Motors Wentzville St. Charles County, Missouri

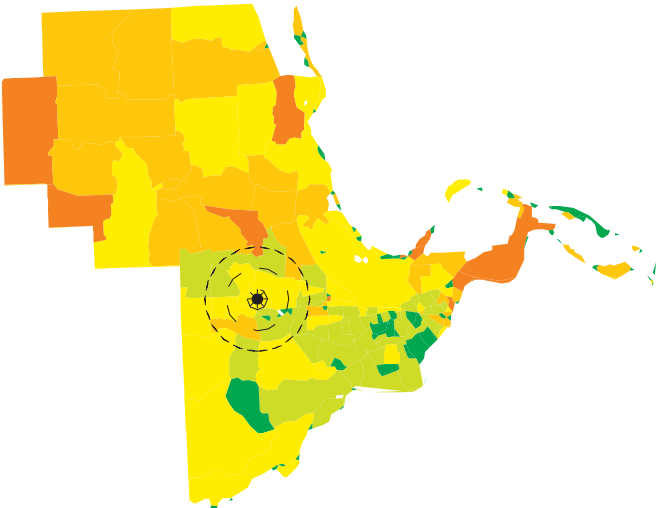
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Longitude: 90 49 26 W



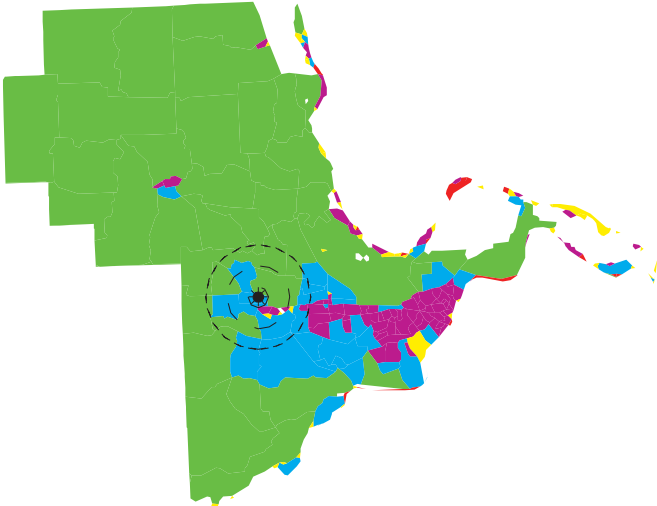
Percentage of Total Population  
Below Poverty Level



Percentage of Population not  
Completing High School



Population Density  
People Per Sq. Mile



Minority Population  
Percent of Total Population

